



TEXAS ASSOCIATION OF REALTORS®
INFORMATION ABOUT ON-SITE SEWER FACILITY

USE OF THIS FORM BY PERSONS WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS® IS NOT AUTHORIZED.
©Texas Association of REALTORS®, Inc., 2004

CONCERNING THE PROPERTY AT 3120 EDGEWATER DRIVE
AUSTIN, TX 78733

A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

- (1) Type of Treatment System: Septic Tank Aerobic Treatment Unknown
- (2) Type of Distribution System: conventional leaching chambers Unknown
- (3) Approximate Location of Drain Field or Distribution System: SEE attached plans, on west side of home and front west side and middle yard. Unknown
- (4) Installer: _____ Unknown
- (5) Approximate Age: 3 years Unknown

B. MAINTENANCE INFORMATION:

- (1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility? Yes No
If yes, name of maintenance contractor: _____
Phone: _____ contract expiration date: _____
Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard" on-site sewer facilities.)
- (2) Approximate date any tanks were last pumped? N/A new installation 2015 (NO MARK)
- (3) Is Seller aware of any defect or malfunction in the on-site sewer facility? Yes No
If yes, explain: _____
- (4) Does Seller have manufacturer or warranty information available for review? Yes No

C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

- (1) The following items concerning the on-site sewer facility are attached:
 planning materials permit for original installation final inspection when OSSF was installed
 maintenance contract manufacturer information warranty information _____
- (2) "Planning materials" are the supporting materials that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to install the on-site sewer facility.
- (3) It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.

(TAR-1407) 1-7-04

Initialed for Identification by Buyer _____ and Seller AS 

Page 1 of 2

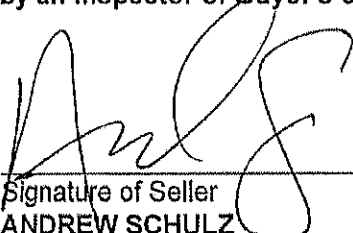
3120 EDGEWATER DRIVE
AUSTIN, TX 78733

Information about On-Site Sewer Facility concerning _____

D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) on 10/24/2002. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

<u>Facility</u>	<u>Usage (gal/day) without water-saving devices</u>	<u>Usage (gal/day) with water-saving devices</u>
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling (6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60


This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by an inspector of Buyer's choice.



Signature of Seller
ANDREW SCHULZ

1/25/19

Date

DocuSigned by:


Signature of Seller
EMILY SCHULZ

1/25/2019

Date

Receipt acknowledged by:

Signature of Buyer
Date

Signature of Buyer
Date



12713 MAJESTIC OAKS DRIVE
AUSTIN, TEXAS 78732
OFFICE: (512) 583-1397
DELCON@AUSTIN.RR.COM

E N V I R O N M E N T A L S Y S T E M S . L L C .

August 7, 2014

The City of Austin Water Utility
Utility Development Services Division
625 East 10th Street, 5th Floor
Austin, Texas 78701
Attn: Ms. Katherine Jashinski, P.E.



Re: 3120 Edgewater Drive, Austin, Texas 78733
Lot 2, Cebar Ranch (Lakeview Acres), Travis County

Ms. Jashinski,

Thank you for your review comments received July 21 regarding the septic design submittal for the above referenced property. The attached revised design pages are offered in response to the comments indicated in your review. Below is a list of the adjustments contained in the revised design.

1. Please see the updated site plan with a new propane tank location that is outside the limits of the propose septic system.
2. I am unsure what the Architect is indicating with the rectangles on and around the driveway. Perhaps they are there to represent cars.
3. The cover letter has been corrected to indicate the five bedrooms contained in the proposed residence.
4. I have added some additional language to the operation letter to suggest some frequencies for inspections and some guidance for reviewing the contained components.
5. I believe our proposed septic design meets the required setbacks to all protected trees. I will forward a copy of the tree permit as it was submitted by the Architect.
6. Please see the adjusted site plan. I have shifted some of the trenches and the routes of the supply manifolds to fit the slope more precisely.
7. The adjusted section detail corresponds to the site plan with a 2" supply line.
8. I have corrected the maximum trench depth to 21" from 22".
9. Thank you for pointing out the dimension discrepancy in the tank cross-section detail. I have obtained the current specifications from Buchanan Septic Tank Manufacturing and have updated the drawing. The float settings achieve the required reserve capacities.

Please feel free to contact me with any questions or comments.

Respectfully,

Derrick E. Lormand, R.S.
Managing Partner
Delcon Environmental Systems, LLC





12713 MAJESTIC OAKS DRIVE
AUSTIN, TEXAS 78732
OFFICE: (512) 583-1397
DELCON@AUSTIN.RR.COM

E N V I R O N M E N T A L S Y S T E M S , L L C .

August 7, 2014

The City of Austin Water Utility
Utility Development Services Division
625 East 10th Street, 5th Floor
Austin, Texas 78701
Attn: Ms. Katherine Jashinski

Septic System Design for:
The Schulz Residence
3120 Edgewater Drive, Austin, Texas 78733
Lot 2, Cobar Ranch (Lakeview Acres), Travis County

Ms. Jashinski,

The following are calculations and design drawings for a conventional septic tank with pump to panels disposal to serve a proposed five-bedroom single-family residence containing approximately 4,130 square feet of conditioned living space located at the above referenced address. Adequately deep Class III and Class II soils were observed at the site within the vicinity of the proposed drainfield. The system has been sized in accordance with Chapter 285 of the TCEQ OSSF Rule, December 2012 and the additional criteria of the City of Austin.

For your reference, I have included a summary of the system components:

- One 1,750-gallon three-compartment concrete septic tank with 500-gallon pump chamber
- One 1/2 horsepower effluent pump with controls
- 68 "Quick 4" leaching chambers developing 1,360 square feet of application area

Please feel free to contact me with any questions or comments.

Respectfully,

Derrick E. Lormand, R.S.
Managing Partner
Delcon Environmental Systems, LLC



Site Evaluation Form

Address: 3120 Edgewater Drive
Subdivision: Cebar Ranch (Lakeview Acres) Sec: _____ Lot: 2 Blk: _____
Or, Survey: _____ Abstract: _____ Acres: _____

Slope: Flat (Under 2%) [] Slight (2% to 15%) [] Severe (Over 15%) []
Site Drainage: Poor [] Adequate [] Good [] Other []
Outside 100-Year Flood Plain [] In 100 Year Flood Plain [] In 100 Year Flood Plain/Floodway []
Water Supply: Public [] Community [] Private []
Other wells within 100 feet of property lines: Yes [] No [] (If yes, shown on site plan)

Soil Evaluation

Profile Hole Number 1

Depth	Texture (USDA)	Description
<u>0" - 57"</u>	<u>Class III</u>	<u>Light brown sandy clay loam with surface roots, <30% rock content</u>

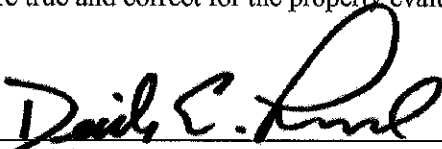
Profile Hole Number 2

Depth	Texture (USDA)	Description
<u>0" - 57"</u>	<u>Class III</u>	<u>Light brown sandy clay loam with surface roots, <30% rock content</u>

Indication of Seasonal Water Table: YES [] NO []
If yes, at what depth: _____
Property Located Within Edwards Aquifer Recharge Zone: YES [] NO []
Indication of Recharge Features within 150 feet: YES [] NO []
Is Soil Suitable for a Standard System YES [] NO []
Application Rate: 0.20 Gal/SF*Day

I, Derrick E. Lormand, a Registered Professional Sanitarian and Licensed Site Evaluator, conducted the site evaluation at the referenced location. I certify that these results are true and correct for the property evaluated.

Date of Site Visit: 04/23/2014



Derrick E. Lormand, R.S., OS# 0026727

System Curve Calculations

Date 6/23/2014
 Address 3120 Edgewater Drive

Static Head

Highest elevation 506 feet
 of force main
 Pump off elevation 498 feet

Static Head 8 feet

K-Rain Valve 0 feet

Total Dynamic head

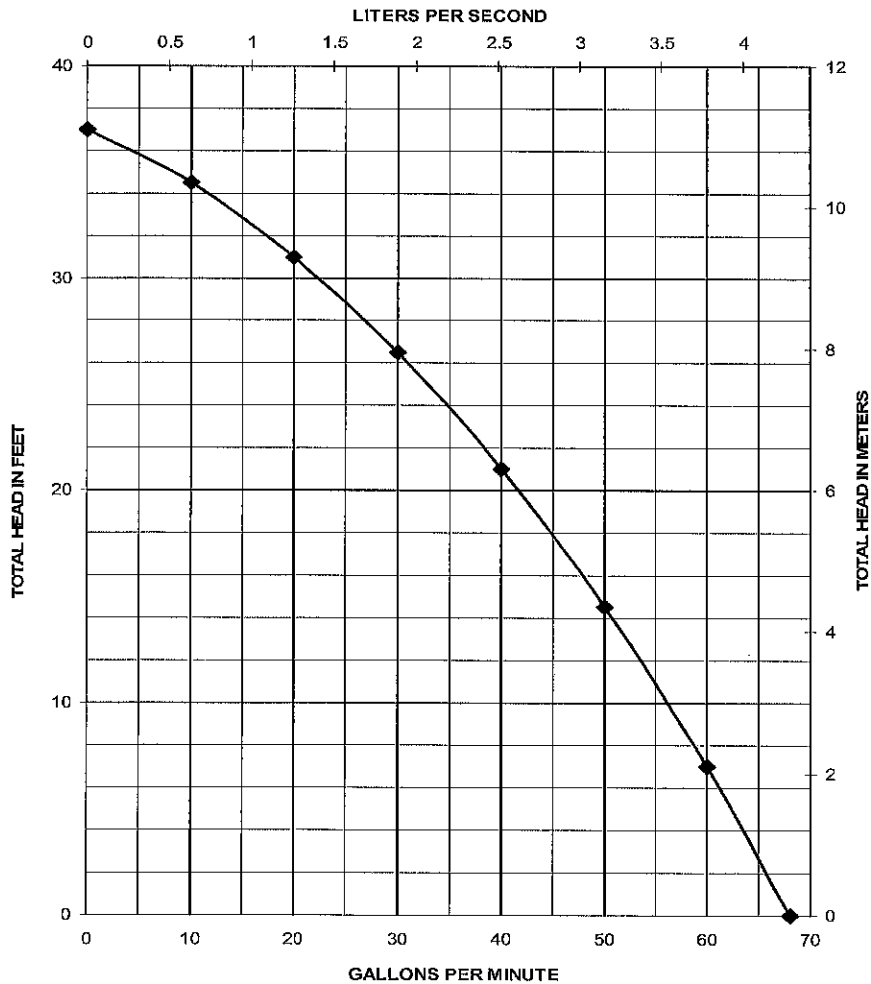
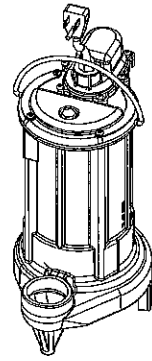
Length 138 feet
 Size 2 inches

<u>Flow rate (gpm)</u>	<u>Static head</u>	<u>Length (ft)</u>	<u>Line dia. (in.)</u>	<u>Friction Head (ft)</u>	<u>20% for pipe fittings</u>	<u>Total Dynamic Head (ft)</u>
5	8	138	2	0.1	0.0	8.1
10	8	138	2	0.3	0.1	8.4
15	8	138	2	0.6	0.1	8.7
20	8	138	2	1.1	0.2	9.3
25	8	138	2	1.5	0.3	9.8
30	8	138	2	2.2	0.4	10.6
35	8	138	2	2.9	0.6	11.5
40	8	138	2	3.7	0.7	12.4
45	8	138	2	4.6	0.9	13.5
50	8	138	2	5.6	1.1	14.7
55	8	138	2	6.7	1.3	16.0



Pump Specifications

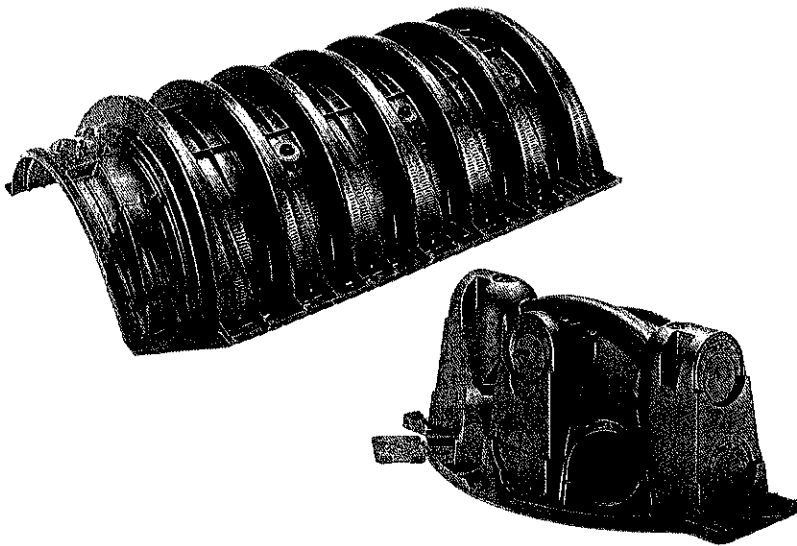
280 Series 1/2 hp Submersible Effluent Pump



The Quick4® Standard Chamber



INFILTRATOR®
systems inc.



The evolutionary patent-pending Quick4® Standard Chamber fits in a 36" wide trench and is ideal for curved or straight systems. It features the patent-pending Contour Swivel Connection™ which permits 10-degree turns, right or left. The MultiPort™ end cap allows multiple piping options and eliminates pipe fittings. The chamber's four-foot length provides optimal installation flexibility.

The Quick4 Standard Chamber Offers You These Unique Benefits:

- Advanced contouring connections swivel 10-degrees, right or left
- Latching mechanism allows for quick installation
- Compact nesting provides more trench length in an equivalent stack height
- Four-foot chambers are easy to handle and install
- The Quick4 Standard Chamber supports wheel loads of 16,000 lbs/ axle with only 12" of cover
- Certified by the International Association of Plumbing and Mechanical Officials (IAPMO)

The MultiPort End Cap Offers These Unique Benefits:

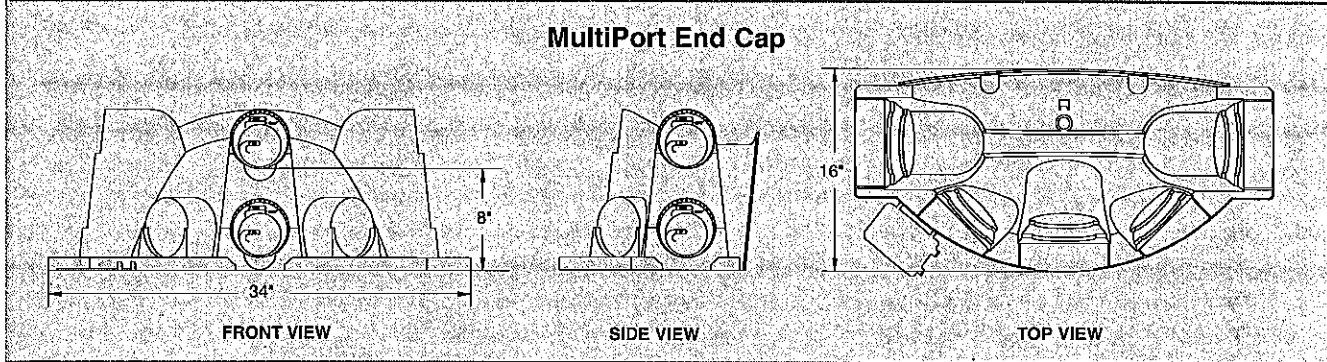
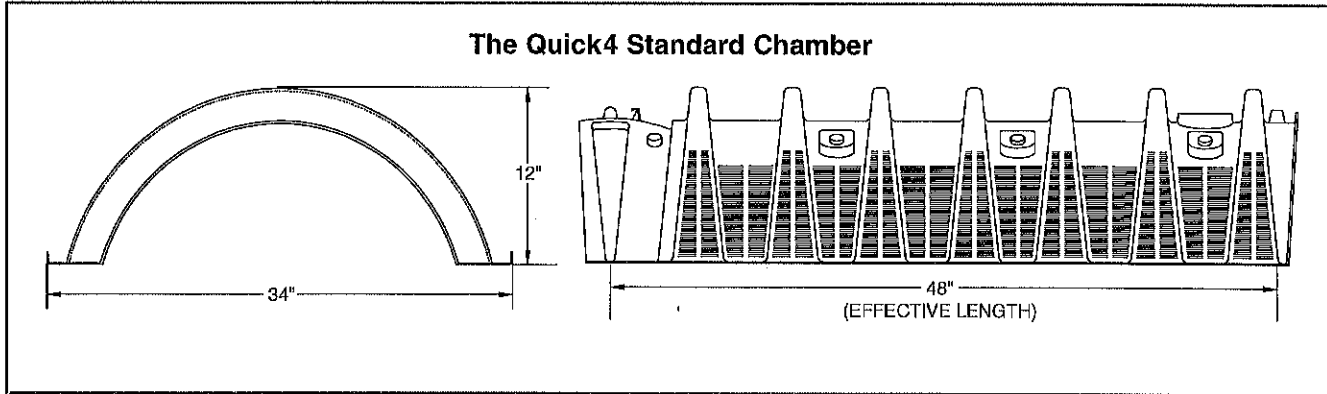
- Patent-pending tear-out seals on inlet ports provide a tight fit to the pipe
- Eight molded-in inlets/outlets allow for maximum piping flexibility
- Multiple ports eliminate pipe fittings and make looping ends easy
- Patent-pending MultiPort end cap fits on either end of the Quick4 Standard Chamber

Infiltrator is the number-one septic leachfield chamber system in the onsite industry, with over 42 million units in-ground in all 50 states and 24 countries.

Approved in _____



The Quick4® Standard Chamber



Quick4 Standard Chamber Specifications	
Size (W x L x H)34" x 53" x 12" (86 cm x 135 cm x 31 cm)	Louver Height.....8" (20 cm)
Effective Length48" (122 cm)	Invert Height.....8" (20 cm)

INFILTRATOR SYSTEMS, INC. STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, end cap and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Infiltrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty. Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.



INFILTRATOR®
systems inc.

6 Business Park Road • P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • FAX 860-577-7001

1-800-221-4436
www.infiltratorsystems.com

For technical assistance, installation instructions or customer service, call Infiltrator Systems at 1-800-221-4436.

U.S. Patents: 4,759,661; 5,017,041; 5,166,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,888,778; 5,839,844
Canadian Patents: 1,329,959; 2,004,564 Other patents pending.

Infiltrator, Equalizer, Quick4 and SideWinder are registered trademarks of Infiltrator Systems Inc. Infiltrator is a registered trademark in France. Infiltrator Systems Inc. is a registered trademark in Mexico. ChamberSpacer, Contour, Contour Swivel Connection, MicroLeaching, MultiPort, PolyTuff, Posilock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Systems Inc. © 2006 Infiltrator Systems Inc. Printed in U.S.A.



12713 MAJESTIC OAKS DRIVE
AUSTIN, TEXAS 78732
(512) 583-1397
DELCON@AUSTIN.RR.COM

E N V I R O N M E N T A L S Y S T E M S , L . L . C .

The on site wastewater system has been designed to dispose of the specified wastewater flow rate. In addition to the proper design and construction of the system, it is the owner's responsibility to properly maintain the system. The following care should be taken to help ensure proper operation and high quality effluent:

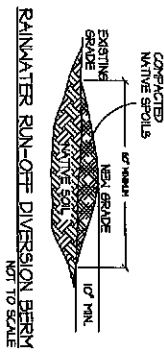
Do Not:

1. Pour strong disinfectants or bleaches, other than small amounts used in day to day house cleaning and laundries into the system.
2. Discharge from any type of water softener into the system.
3. Put coffee grounds, chemical wastes, paint or paint thinner, oils or grease (such as used cooking grease), pet shampoo or pet dip disinfectant into the system.
4. Permit disposable diapers, tampons, sanitary napkins, large quantities of paper products, tobacco products or similar items to enter the system.
5. Overload the system with large amounts of wastewater.
6. Plant large trees or shrubs near the system tanks or disposal field – the root systems may damage the installed system components.

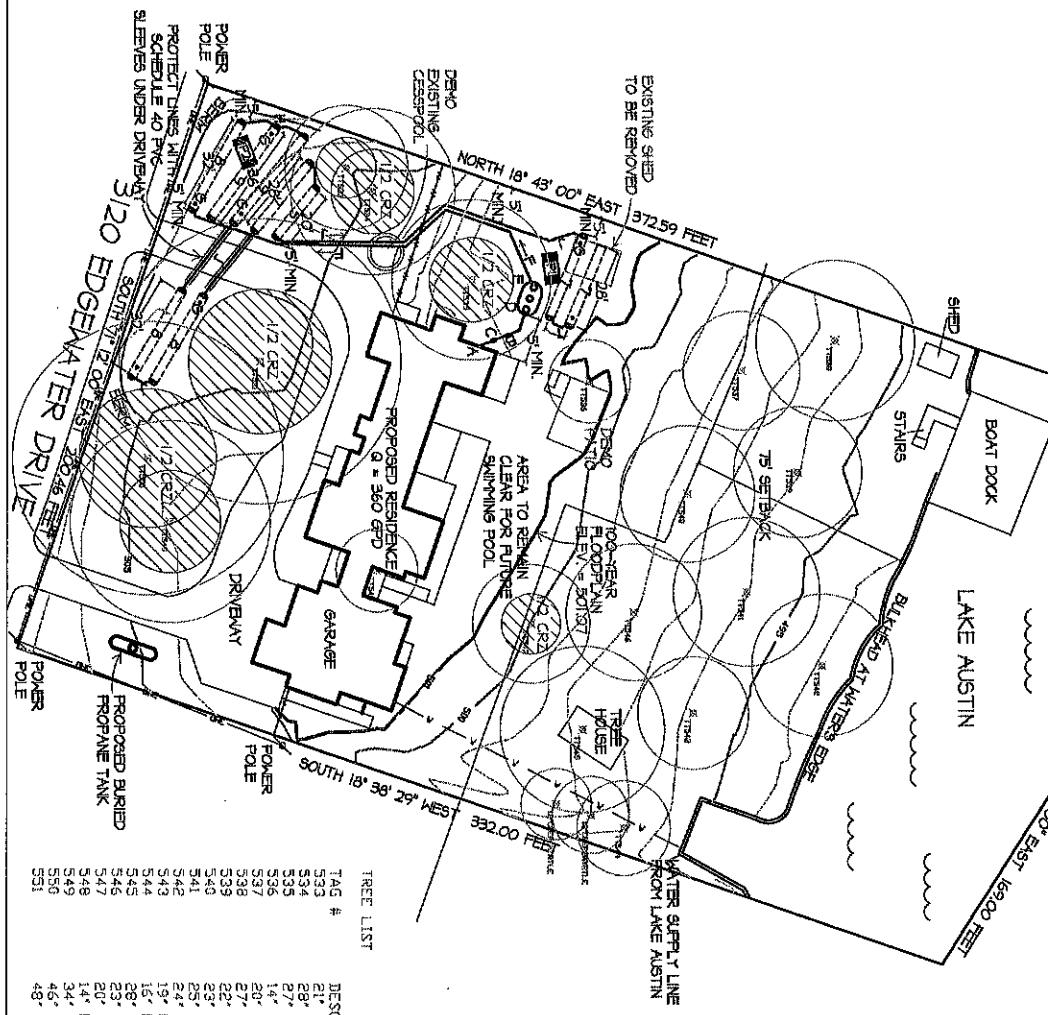
Do:

1. Maintain the vegetation (grass) in the disposal field area.
2. Conserve water usage as much as possible. Maintain low-flow plumbing fixtures throughout the structure.
3. Monitor the drainfield periodically for signs of effluent surfacing and odors.
4. Use care when digging in the vicinity of the system tanks or drainfield to avoid damaging any of the disposal system's components.

It is recommended that the system be inspected annually by a trained service person to monitor the performance of all components and to determine the frequency of solids removal. Effluent filters should be cleaned at least every 3 months. Pump performance, including electrical components (breakers, float switches, electrical connections) should be reviewed during each inspection. The high water alarm (both audio and visual) should be checked during inspections.



RAINWATER RUN-OFF DIVERSION BERM NOT TO SCALE



AUSTIN WATER
UTILITY DEVELOPMENT SERVICES
APPROVED
 Permit to Construct OSSF
 William J. Lohrman, P.E., OS0029912, 08/13/2014

TREE LIST

TAG #	DESCRIPTION
531	21' PECAN
532	20' PECAN
533	20' PECAN
534	20' PECAN
535	20' PECAN
536	14' PECAN
537	20' PECAN
538	27' ASH
539	22' PECAN
540	23' PECAN
541	25' PECAN
542	25' PECAN
543	19' PECAN
544	24' SCAMORE
545	16' PECAN
546	23' PECAN
547	23' PECAN
548	14' PECAN
549	34' PECAN
550	46' PECAN
551	48' PECAN

LEGEND:
 A. SEWAGE STUB-OUT
 B. 4\"/>

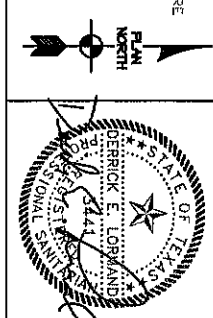
EXISTING DRAINFIELD NOTE:
 EXISTING DRAINFIELDS SHALL BE ABANDONED IN CONNECTION WITH PROPOSED DRAINFIELD INSTALLATION. EXISTING DRAINFIELD MATERIAL, INCLUDING PIPES, GRAVEL, SOIL, ETC., MAY REMAIN UNDISTURBED AND BURIED. EXISTING DRAINFIELD MATERIAL ENCOUNTERED DURING INSTALLATION THAT CONFLICTS WITH PROPOSED DRAINFIELD SHALL BE REMOVED AND DISPOSED OFF SITE IN A SANITARY LANDFILL.

EXISTING TANK(S) NOTE:
 EXISTING SEPTIC TANK(S) SHALL BE ABANDONED. TANK(S) SHALL BE PUMPED CLEAN OF ALL EFFLUENT BY A LICENSED WASTEWATER CARRIER HOLDING A CURRENT LICENSE WITH THE EXECUTIVE DIRECTOR. PROOF OF THIS PUMP-OUT SERVICE SHALL BE AVAILABLE FOR REVIEW BY INSPECTORS, LTD. WALLS AND BASE SHALL BE CRUSHED AND BURIED IN PLACE, REMAINING VOID SPACE SHALL BE BACKFILLED WITH CLEAN NON-EXPANSIVE SOIL.

A PORTION OF THIS PROPERTY LIES WITHIN A 100-YEAR FLOOD PLAIN PER FIRPI, RATE MAPS

SETBACK REQUIREMENTS:
 INSTALLER SHALL ACHIEVE ALL MINIMUM REQUIRED SEPARATION DISTANCES AS SET FORTH BY THE TCEQ IN TITLE 30, TAC CHAPTER 285, EFFECTIVE DECEMBER 2012, AND ANY ADDITIONAL LOCAL REQUIREMENTS.
 MINIMUM SEPARATION FROM TANK: 5 FEET TO FOUNDATIONS, SWIMMING POOLS AND PROPERTY LINES, ONE FOOT TO ESSENTIALS 5 FEET TO DRAINAGE ESSENTIALS AND GRADE BREAKS, 10 FEET TO WATER LINES, 50 FEET TO EXISTING OR PROPOSED WATER WELLS.
 MINIMUM SEPARATION FROM DRAINFIELD: ONE FOOT ESSENTIALS, 5 FEET FROM FOUNDATIONS, PROPERTY LINES AND SWIMMING POOLS, 25 FEET FROM GRADE BREAKS, 10 FEET FROM WATER LINES, 100 FEET FROM EXISTING OR PROPOSED WATER WELLS.

DESIGN BASIS:
 FIVE-BEDROOM SINGLE-FAMILY RESIDENCE WITH LESS THAN 4500 SF OF CONDITIONED LIVING SPACE = 360 GALLONS PER DAY WASTEWATER
 SOIL APPLICATION RATE = 0.20 GALLONS PER SQUARE FOOT PER DAY.
 REQUIRED APPLICATION AREA = 360 / 0.20 = 1800 SQUARE FEET
 LEACHING CHAMBER PANELS ALLOW FOR 25% REDUCTION.
 1800 * 0.75 = 1350 SQUARE FEET OF APPLICATION AREA
 68 QUICK 4\"/>



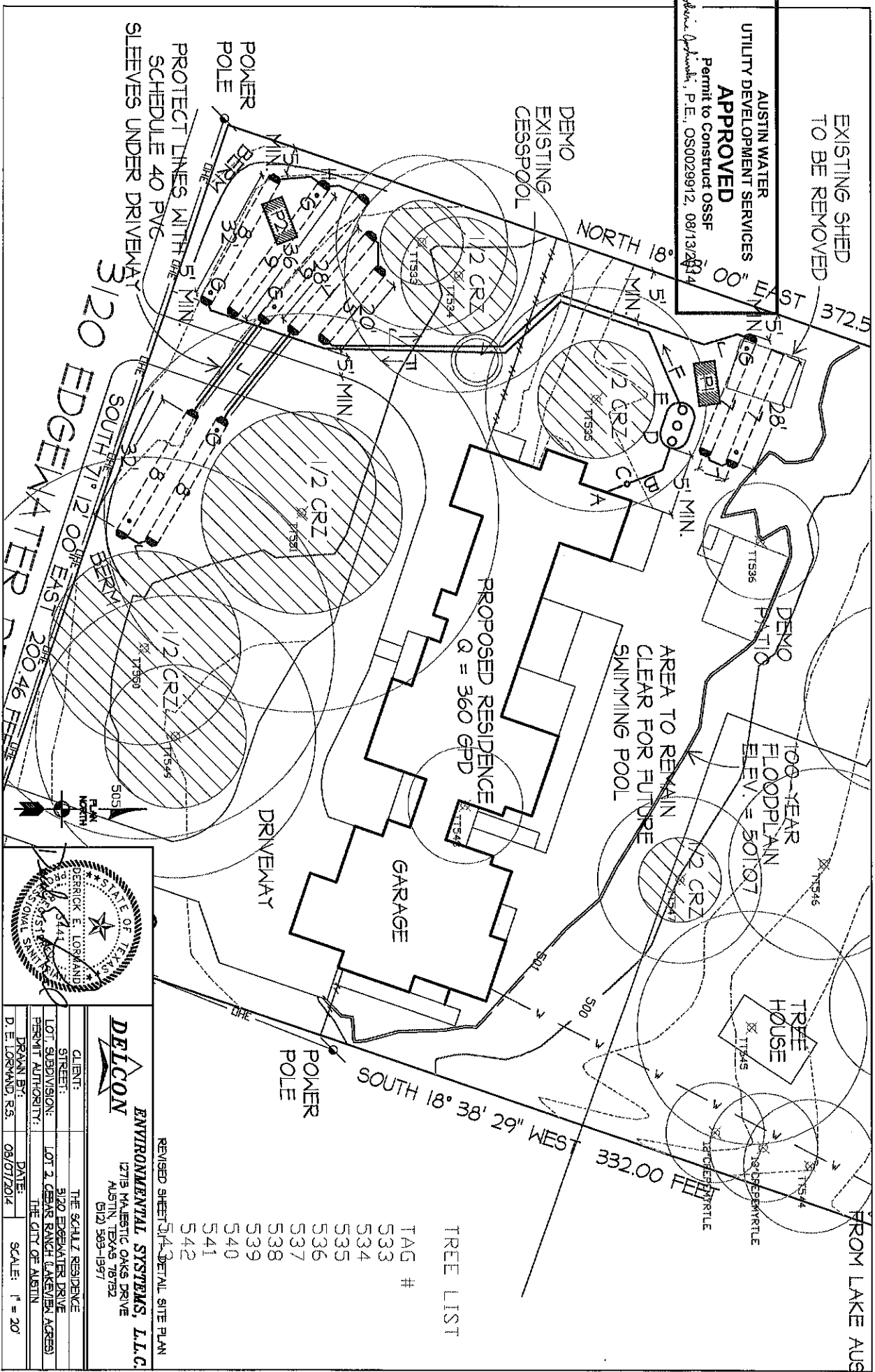
REVISED SHEET 1 - SITE PLAN

DELCON ENVIRONMENTAL SYSTEMS, L.L.C.
 12715 MAJESTIC OAKS DRIVE
 AUSTIN, TEXAS 78732
 (512) 593-1997

CLIENT:	THE SCHULTZ RESIDENCE
STREET:	3120 EDGEWATER DRIVE
LOT SUBDIVISION:	LOT 2, CEMAR RANCH (LAKENWEN ACRES)
PERMIT AUTHORITY:	THE CITY OF AUSTIN
DRAWN BY:	D. E. LOHRMAN, R.S.
DATE:	08/07/2014
SCALE:	1" = 40'

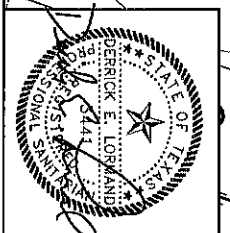
EXISTING SHED
TO BE REMOVED

AUSTIN WATER
UTILITY DEVELOPMENT SERVICES
APPROVED
Permit to Construct OSSF
Madeline A. Gendron, P.E., OS0029912, 08/13/2014



TREE LIST

TAG #
533
534
535
536
537
538
539
540
541
542

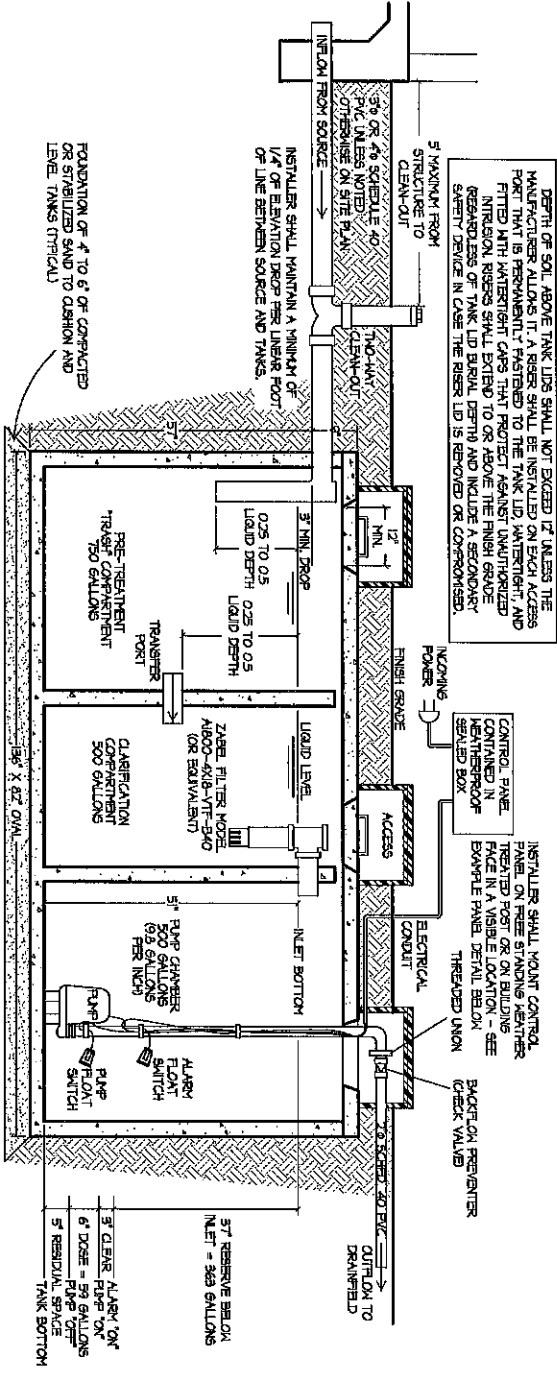


REVISED SHEET 54.2 DETAIL SITE PLAN

DEICON
ENVIRONMENTAL SYSTEMS, L.L.C.
12713 MALESTIC OAKS DRIVE
AUSTIN, TEXAS 78752
(512) 569-1997

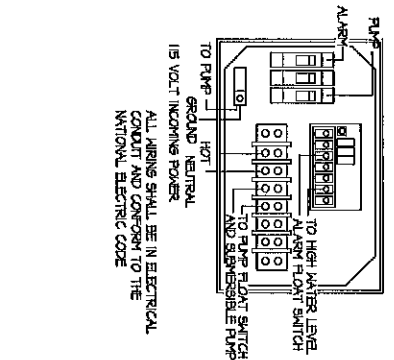
CLIENT: THE SCHULTZ RESIDENCE
STREET: 5120 EDGEWATER DRIVE
LOT SUBDIVISION: LOT 2, CEDAR RANCH LAKEVIEW AGRES)
PERMIT AUTHORITY: THE CITY OF AUSTIN

DRAWN BY: D. E. LORRWARD, R.S. DATE: 08/07/2014 SCALE: 1" = 20'



DEPTH OF SOIL ABOVE TANK LIDS SHALL NOT EXCEED 12" UNLESS THE MANUFACTURER ALLOWS IT. A RISER SHALL BE INSTALLED ON EACH ACCESS POINT THAT IS PERMANENTLY FASTENED TO THE TANK LID. UNFASTENED AND FITTED WITH WATERPROOF CAPS THAT PROTECT AGAINST UNAUTHORIZED INTERIOR ACCESS SHALL EXTEND TO OR ABOVE THE FINISH GRADE. REGARDLESS OF TANK LID BRINK DESIGN AND INCLUDE A SECONDARY SAFETY DEVICE IN CASE THE RISER LID IS REMOVED OR COMPROMISED.

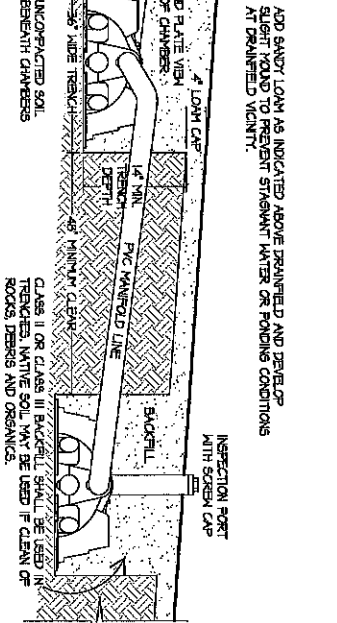
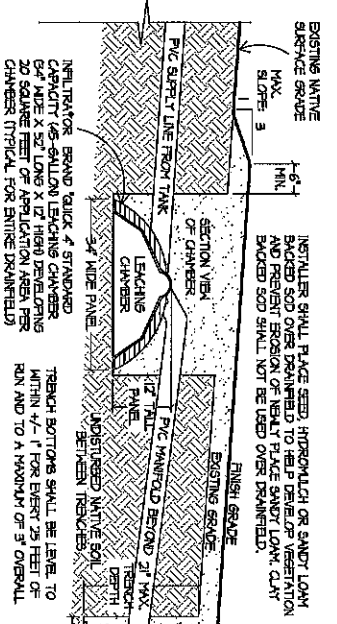
INSTALLER SHALL MOUNT CONTROL PANEL ON FREE STANDING METAL RACK WITH 1/2\"/>



EXAMPLE CONTROL PANEL BOX

SECTION DETAIL CUT FOR CHAMBER INTERIOR

**AUSTIN WATER
UTILITY DEVELOPMENT SERVICES
APPROVED**
Permit to Construct OSSF
William J. Apolinski, P.E., OS0029912, 08/13/2014



EXAMPLE PARTIAL DRAINFIELD DRAWING

TRENCH SECTION CUT AND ELEVATION VIEW

TREATMENT METHOD:

(1) 1750-GALLON THREE-COMPARTMENT CONCRETE SEPTIC TANK

PUMP:
LIBERTY BRAND SUBVERSIBLE EFFLUENT PUMP MODEL 201 (1/2 HORSEPOWER)
POWER REQUIREMENT:
115 VOLT, SINGLE PHASE, 60 HERTZ.
HIGH LEVEL ALARM:
ON SEPARATE CIRCUIT TO ACTIVATE AUDIO-VISUAL ALARM AT CONTROL PANEL WHEN WATER LEVEL REACHES ELEVATION INDICATED ABOVE PUMP ON POSITION OF PUMP FLOAT SWITCH.
FLOAT SWITCHES:
PER MANUFACTURER'S REQUIREMENTS - ADJUST FLOAT TO HAVE THE OPERATING RANGE AS INDICATED. DRAINFIELD SHALL HAVE GRADES COVER THE EXISTING SOIL IS SUITABLE TO SUPPORT VEGETATION GROWTH. THE OWNER IS RESPONSIBLE FOR MAINTAINING THE VEGETATION AT THE DRAINFIELD LOCATION. NO AUTOMATIC SPRINKLER SYSTEMS MAY BE INSTALLED TO APPLY ADDITIONAL WATER TO THE VEGETATION AT THE DRAINFIELD LOCATION. HAND WATERING IS PERMITTED WHEN NECESSARY.
CONVENTIONAL SEPTIC (ANABIOLOG) TREATMENT UNIT WITH CONVENTIONAL LEACHING CHAMBERS DISPOSAL:
SOIL APPLICATION RATE = 0.20 GALLONS PER SQUARE FOOT PER DAY - PER TDSB C99F HORSEPOWER R9-216/REV-01 REVISED DECEMBER 2012, TABLE 1, APPENDIX B.
ESTIMATED APPROXIMATELY FIVE TO SIX DORES PER DAY UNDER NORMAL OPERATING CONDITIONS.

STATE OF TEXAS
COUNTY OF DALLAS
CITY OF AUSTIN

DELCON
ENVIRONMENTAL SYSTEMS, L.L.C.
12713 NAULESTIC OAKS DRIVE
AUSTIN, TEXAS 78732
(512) 565-1997

CLIENT:	THE SCHALZ RESERVE
LOT, SUBDIVISION, TRACT, ADDRESS:	3700 DEWATER DRIVE LOT 2, GERRARD TRACT (AMERICAN ACRES) THE CITY OF AUSTIN
DESIGN BY:	DATE
D. E. LORRWARD, P.E.	08/07/2014

REVISION SHEET 2 - SECTION DETAIL

SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. ON-SITE SEWAGE FACILITY PERMIT OR AUTHORIZATION TO CONSTRUCT SHALL BE OBTAINED FROM THE LOCAL PERMITTING AUTHORITY AND POSTED ON SITE IN A HIGHLY VISIBLE LOCATION PRIOR TO THE COMMENCEMENT OF THE INSTALLATION OF THIS SYSTEM. NO WORK MAY BEGIN UNTIL THE PERMIT TO CONSTRUCT HAS BEEN POSTED ON SITE.
2. THE INSTALLATION OF THIS SYSTEM MUST BE PERFORMED BY A STATE LICENSED INSTALLER HOLDING A CURRENT CLASS I OR CLASS II CERTIFICATE, OR BY A STATE LICENSED APPLICANT OPERATING UNDER THE DIRECT SUPERVISION OF A STATE LICENSED INSTALLER. THE LICENSED INDIVIDUAL MUST MAINTAIN CURRENT PROOF OF LICENSE AT THE JOB SITE. THIS LICENSE MUST BE MADE AVAILABLE FOR REVIEW UPON REQUEST.
3. THIS PLAN IS SPECIFIC TO THIS DESIGN AND THE INFORMATION CONTAINED WITHIN REMAINS THE OWNERSHIP OF THE DESIGNER AND DELCON ENVIRONMENTAL SYSTEMS, LLC. ADDITIONAL COPIES OF THIS DESIGN MAY BE PRINTED AND REPRODUCED OR OBTAINED FROM DELCON ENVIRONMENTAL SYSTEMS, LLC FOR CONVENIENCE ASSOCIATED WITH THE PERMIT REVIEW, INSPECTION, INSTALLATION AND LICENSING OF THIS SYSTEM. ADDITIONAL FEES MAY BE REQUIRED. ELECTRONIC COPIES OF THIS DESIGN THAT INCLUDE THE SEAL AND SIGNATURE OF THE DESIGNER ARE VALID AND SHALL BE CONSIDERED AS ORIGINAL COPIES.
4. THE LAWS AND REGULATIONS CONTAINED IN THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY'S TITLE 30 TEXAS ADMINISTRATIVE CODE CHAPTER 285 FOR ON-SITE SEWAGE FACILITIES ADOPTED MAY 2001, EFFECTIVE JUNE 2001 AND MOST RECENTLY REVISED DECEMBER 5, 2012 GOVERN THE DESIGN, PERMIT AND INSTALLATION OF THIS SYSTEM. ANY ADDITIONAL REGULATIONS ADOPTED BY THE LOCAL PERMITTING AUTHORITY ABOVE AND BEYOND THE REQUIREMENTS OF THE STATE MINIMUM SHALL SUPERSEDE. ANY ADDITIONAL REQUIREMENTS AND/OR SPECIFIC STIPULATIONS LISTED IN THE PERMIT TO CONSTRUCT OR THIS DESIGN SHALL BE STRICTLY FOLLOWED.
5. IT IS THE RESPONSIBILITY OF THE INSTALLER TO READ AND UNDERSTAND THE LAWS REGARDING THE INSTALLATION OF ON-SITE SEWAGE FACILITIES, THE SPECIAL CONDITIONS (IF ANY) CONTAINED IN THE PERMIT OR AUTHORIZATION TO CONSTRUCT AND THE REQUIREMENTS AND SPECIFICATIONS OF THIS DESIGN.
6. THIS PLAN IS INTENDED FOR USE AS A SEPTIC SYSTEM INSTALLATION GUIDE. THE PROPERTY DESCRIPTION, DIMENSIONS AND LOCATION OF ALL SITE FEATURES HAVE BEEN DEVELOPED FROM SURVEYS (IF PROVIDED), GLOBAL INFORMATION SYSTEM DATA, AERIAL PHOTOGRAPHY, SITE PLANS, SITE VISITS, FIELD MEASUREMENTS AND ANY ADDITIONAL INFORMATION PROVIDED BY THE BUILDER, INSTALLER AND OWNER. THIS SITE PLAN IS NOT A LEGAL LAND SURVEY OR PLAT MAP AND SHOULD NOT BE TREATED AS SUCH.
7. TREES AND VEGETATION WITHIN THE VICINITY OF THE PROPOSED SYSTEM SHALL BE PROTECTED. IT IS POSSIBLE THAT DAMAGE MAY OCCUR TO TREES AND VEGETATION DURING THE INSTALLATION OF THIS SYSTEM. NEITHER THE DESIGNER NOR THE INSTALLER SHALL BE RESPONSIBLE FOR DAMAGE TO VEGETATION NOR THE INSTALLER SHALL BE RESPONSIBLE FOR DAMAGE TO THE REPLACEMENT ABOVE AND BEYOND THE SPECIFIC STIPULATIONS CONTAINED IN THIS DESIGN. REMOVAL AND/OR TRIMMING OF TREES AND VEGETATION MAY BE REQUIRED TO PROPERLY INSTALL AND OPERATE THIS SYSTEM. NO WATER WELLS MAY BE INSTALLED CLOSER THAN 150 FEET FROM THIS SYSTEM. ALL WATER SUPPLY LINES (INCLUDING IRRIGATION SYSTEM LINES) SHALL REMAIN AT LEAST 10 FEET AWAY FROM ALL SEPTIC SYSTEM COMPONENTS UNLESS NOTED OTHERWISE ON PLAN AND SPECIFICALLY ADDRESSED AND APPROVED BY THE PERMITTING AUTHORITY.
8. NO AUTOMATIC WATER SPRINKLER SYSTEM MAY BE INSTALLED TO DIRECTLY IRRIGATE THE VEGETATION ABOVE THE APPLICATION FIELD. HAND WATERING IS PERMISSIBLE TO HELP MAINTAIN APPLICATION FIELD VEGETATION.
9. A MAINTENANCE CONTRACT WITH AN LICENSED AND CERTIFIED MAINTENANCE PROVIDER MAY BE REQUIRED BY STATE LAW WITH THIS SYSTEM. REGARDLESS, PERIODIC MAINTENANCE IS NECESSARY TO MAINTAIN OPTIMUM SYSTEM PERFORMANCE AND ENVIRONMENTAL PROTECTION. IT IS HIGHLY RECOMMENDED THAT PERIODIC ROUTINE MAINTENANCE BE PERFORMED AT THREE-MONTH INTERVALS.
10. TO THE BEST OF MY KNOWLEDGE THERE APPEAR TO BE NO EDWARDS AQUARIUS RECHARGE FEATURES WITHIN 150 FEET OF THIS SYSTEM. (IT IS MY PROFESSIONAL OPINION THAT THIS ON-SITE SEWAGE FACILITY CAN BE OPERATED WITHOUT CAUSING A THREAT OR HARM TO THE PUBLIC HEALTH OR TO THE ENVIRONMENT. THIS SYSTEM MUST BE PROPERLY INSTALLED AND MAINTAINED TO ACHIEVE THE DESIRED LEVEL OF TREATMENT AND DISPOSAL TO PREVENT THREATS OR HARM TO THE PUBLIC HEALTH OR TO THE ENVIRONMENT.)

INSPECTION AND COORDINATION NOTES:

1. THE INSTALLER SHALL COORDINATE WITH THE PERMITTING AUTHORITY TO SCHEDULE ALL REQUIRED INSPECTIONS THROUGHOUT THE INSTALLATION PROCESS. THE INSTALLER MAY CONTACT THE PERMITTING AUTHORITY TO OBTAIN A SCHEDULE OF INSPECTIONS REQUIRED FOR THIS SYSTEM. SEVERAL INSPECTIONS MAY BE REQUIRED AT GIVEN INTERVALS DURING CONSTRUCTION. ADDITIONAL INSPECTION FEES MAY BE REQUIRED IF INSPECTIONS ARE NOT APPROVED OR IF THE INSTALLATION DEVIATES FROM THE PERMITTED DESIGN WITHOUT PRIOR APPROVAL FROM BOTH THE PERMITTING AUTHORITY AND DELCON ENVIRONMENTAL SYSTEMS, LLC.
2. NO PORTION OR COMPONENT OF THIS SYSTEM SHALL BE COVERED UNTIL REVIEWED AND APPROVED BY THE PERMITTING AUTHORITY. THE DESIGNER SHALL BE NOTIFIED TO PERFORM AN INSPECTION AT LEAST 48 HOURS IN ADVANCE PRIOR TO COVERING ANY SYSTEM COMPONENTS.
3. PERMANENT UTILITIES INCLUDING WATER, ELECTRIC AND POSSIBLY TELEPHONE SERVICE SHALL BE CONNECTED TO THIS SYSTEM AS A CONDITION OF FINAL APPROVAL.
4. THE DESIGNER SHALL DELIVER TO THE PERMITTING AUTHORITY AN APPROVAL/CERTIFICATION LETTER UPON REMOVING THE INSTALLED SYSTEM INDICATING COMPLIANCE WITH THE DESIGN. AN AS BUILT DRAWING MAY BE REQUIRED AND INCLUDED WITH THE FINAL APPROVAL LETTER. APPROVAL SHALL NOT BE GRANTED UNTIL ALL INSPECTIONS ARE PERFORMED, ALL REQUIREMENTS ARE ACHIEVED AND ALL FEES TO THE DESIGNER AND PERMITTING AUTHORITY ARE PAID IN FULL.
5. A LICENSE TO OPERATE WILL BE ISSUED BY THE PERMITTING AUTHORITY UPON INSTALLATION COMPLETION AND WRITTEN APPROVAL/CERTIFICATION FROM DELCON ENVIRONMENTAL SYSTEMS, LLC. USE OF THIS ON-SITE SEWAGE FACILITY WITHOUT A LICENSE TO OPERATE IS A VIOLATION OF STATE AND LOCAL LAW AND IS SUBJECT TO FINES AND ADDITIONAL LEGAL ACTION INCLUDING PROPERTY CONDEMNATION AND INCARCERATION.

FIELD MODIFICATION AND ALTERATION NOTES:

1. THE INSTALLER SHALL FIELD VERIFY ALL DIMENSIONS (INCLUDING TOPOGRAPHICAL INFORMATION OF CURRENT GRADES) OF THIS DESIGN PRIOR TO CONSTRUCTION. AS THE CONDITIONS MAY CHANGE DURING THE INTERVAL TIME BETWEEN THE PERMIT ISSUANCE AND SYSTEM INSTALLATION.
2. THE INSTALLER SHALL STRICTLY ADHERE TO THE DESIGN (BOTH DIMENSIONS AND EQUIPMENT SPECIFICATIONS) AND TO ANY ADDITIONAL REQUIREMENTS OF THE PERMIT TO CONSTRUCT. ANY DISCREPANCIES BETWEEN THE DESIGN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED BY THE INSTALLER TO THE DESIGNER AND/OR THE PERMITTING AUTHORITY PRIOR TO CONSTRUCTION.
3. THE INSTALLER IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE INSTALLER SHALL CONTACT DIG TESS OR OTHER UTILITY LOCATING ORGANIZATION TO CONFIRM THE LOCATION OF ALL PERTINENT UTILITIES WITHIN THE VICINITY OF THIS ON-SITE SEWAGE FACILITY. ANY UNFORESEEN UTILITIES DISCOVERED SHALL BE REPORTED TO DELCON ENVIRONMENTAL SYSTEMS, LLC AND/OR THE PERMITTING AUTHORITY. DESIGN MODIFICATIONS MAY BE REQUIRED TO ACCOMMODATE DISCOVERED UTILITIES.
4. IF A FIELD DISCREPANCY IS DISCOVERED DURING CONSTRUCTION, WORK SHALL STOP UNTIL THE ISSUE IS RESOLVED BY DELCON ENVIRONMENTAL SYSTEMS, LLC AND THE PERMITTING AUTHORITY. DESIGN CHANGES REQUIRED DUE TO FIELD MODIFICATIONS MAY REQUIRE ADDITIONAL DESIGN FEES. ADDITIONAL PERMITTING FEES AND ADDITIONAL TIME, FIELD CHANGES MADE WITHOUT PRIOR APPROVAL AND AUTHORIZATION FROM BOTH DELCON ENVIRONMENTAL SYSTEMS, LLC AND THE PERMITTING AUTHORITY MAY VOID PERMIT AND COULD RESULT IN LEGAL ACTIONS AGAINST THE INSTALLER.

DRAINING NOTES:

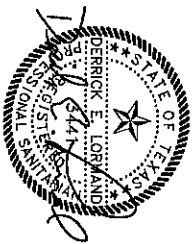
1. ALL PIPING INCLUDED WITH THIS SYSTEM SHALL CONSIST OF SCHEDULE 40 PVC UNLESS NOTED OTHERWISE ON SITE PLAN OR SECTION DETAILS. ALL CONNECTIONS SHALL BE PROPERLY JOINED USING APPROPRIATE PRIMER AND SEALER/COMBUT. ALL LINES AND CONNECTIONS SHALL BE WATER-TIGHT AND MAY BE PRESSURE TESTED TO VERIFY INTEGRITY.
2. GRANTY-FED SEWER AND TRANSMISSION LINES SHALL MAINTAIN AT LEAST 1/4" OF VERTICAL FALL PER LINEAR FOOT OF RIM THROUGHOUT ENTIRE RUN. NO LOCAL LOW SPOTS OR DIPS WITHIN LINES. NO HARD 90 DEGREE ELBOWS ON FITTINGS SHALL BE USED WITH GRANTY-FED SEWER LINES. A PAIR OF 45 DEGREE SWEEPING ELBOWS SHALL BE USED.
3. SEWER LINES SHALL BE EMBEDDED IN CLEAN COMPACTED SAND TO AVOID SHERING, SETTLING AND PUNCTURES.
4. A MINIMUM OF 4" OF SOIL COVER SHALL BE PLACED ABOVE ALL PVC PIPES FOR PROTECTION.
5. INSTALLER SHALL VERIFY ON PLAN THE SPECIFIC USE OF PURPLE COLORED PVC PIPE.

TANK NOTES:

1. CONCRETE TANKS SHALL BE MANUFACTURED IN COMPLIANCE WITH ASTM C 1207, STANDARD SPECIFICATION FOR PRECAST CONCRETE SEPTIC TANKS, ADOPTED 2000 AND AS AMENDED.
2. PLASTIC (POLYETHYLENE) OR FIBERGLASS TANKS SHALL BE RATED FOR USE AS UNDERGROUND SEPTIC EFFLUENT AND/OR PUMP TANKS. SPECIFIC INSTRUCTIONS ASSOCIATED WITH INSTALLATION AND PUMP-FILLING SHALL BE STRICTLY FOLLOWED.
3. TANKS SHALL BE BEDDED ON SPECIFIED SAND CUSHION AND SET LEVEL TO WITHIN AN OVERALL TOLERANCE OF ONE INCH FROM INLET TO OUTLET.
4. TANKS SHALL BE FILLED TO THE FLOW LINE TO DETERMINE INTEGRITY. ANY LEAKS OR WEEPS SHALL BE PATCHED TO HOLD WATER. ONCE TANKS ARE REVIEWED AND APPROVED BY THE PERMITTING AUTHORITY, THE WATER LEVEL WITHIN THE PUMP TANK (OR PUMP CHAMBER) MUST BE LOWERED TO THE NORMAL OPERATING LEVEL. DO NOT DISCHARGE EXCESS WATER INTO THE DRAINFIELD. EXCESS WATER SHALL BE REMOVED FROM TANK WITHOUT ENTERING DRAINFIELD.
5. INLET PIPES AND OUTLET PIPES SHALL BE SEALED WITH GROUT, EXPANSIVE FOAM OR SILICONE TO PREVENT LEAKING. RISERS AND INSPECTION PORTS SHALL BE SEALED WITH GROUT, EXPANSIVE FOAM OR SILICONE TO PREVENT WATER, SOIL OR INSECT INTRUSION INTO TANKS.
6. TANK EXCAVATION SHALL BE BACKFILLED WITH CLEAN CLASS II OR CLASS III SOIL FREE OF ROCK, ROCKS, CONSTRUCTION DEBRIS, TRASH, ORGANICS AND CLASS IV SOIL ARE UNACCEPTABLE BACKFILL MATERIAL.
7. DEPTH OF SOIL ABOVE TANK LIDS SHALL NOT EXCEED 12 INCHES UNLESS SPECIFICALLY ADDRESS BY THIS DESIGN AND APPROVED BY THE MANUFACTURER.

DRAINFIELD NOTES:

1. ALL ROCKS AND EXISTING VEGETATION (EXCEPT DESIRED TREES) SHALL BE REMOVED FROM PROPOSED DRAINFIELD LOCATION AS PREPARATION FOR SYSTEM INSTALLATION. ANY REMAINING ROCK EXPOSURES SHALL BE CAPED WITH AT LEAST 3" OF LOAM TOPSOIL TO PROMOTE VEGETATIVE GROWTH.
2. INSTALLER SHALL IMMEDIATELY ESTABLISH VEGETATION ON NEWLY CONSTRUCTED DRAINFIELD. ACCEPTABLE GRASSES INCLUDE BERMUDA, SALT TOLERANT BENT, DOBSON GRASS OR A COMBINATION FOR MULTI-SEASON GRASS WITH DOBSON GRASS AND BENT GRASS. HYDRONOLAH, RAY GRASS OR SANDY LOAM BAKED SOU ARE ACCEPTABLE METHODS FOR ESTABLISHING VEGETATION.
3. APPLICATION AREA SHALL BE CROWNED SUFFICIENTLY TO SHED RAINWATER. REFER TO SITE PLAN FOR THE USE OF DIVERSION BERMS OR TROUSERS.





AUSTIN WATER UTILITY
Utility Development Services Division
625 East 10th Street
Austin, Texas 78701
(512) 972-0050 fax: (512) 972-0251



August 13, 2014

Mr. Derrick Lormand, R.S.
12713 Majestic Oaks Drive
Austin, Texas 78732

Re: **Approval Letter**
Private On-Site Sewage Facility for 3120 Edgewater Drive
Lot 2 of Ce Bar Ranch Lakeview Acres

Dear Mr. Lormand:

The Austin Water Utility has completed the review of your revised submittal, for the proposed facility consisting of one 1,750-gallon triple-compartment Buchanan Septic Tanks, Inc. pre-cast concrete septic tank with a Zabel filter model A1800-4X18-VTF-B40 or equivalent, one ½ HP Liberty pump model 281 with controls, one serial distribution leaching chamber field with a total of 1,360 square feet of absorption area (total 68 Infiltrator, Inc. Quick4 Standard panels), and related appurtenances to serve a single family residence with a design flow of 360 gallons per day.

The attached plan is approved as submitted to allow disposal of treated effluent with the following stipulations:

1. The Austin Water Utility's approval of this plan will be automatically rescinded if any site grading cuts are constructed within twenty-five (25) feet of the proposed drain field sites.
2. If it is necessary to modify your proposed plan, the Austin Water Utility will require a 30-day review period for the modified plan. All construction on this project will be required to stop until the Austin Water Utility approves the modified plan.
3. This property may be located within the habitat boundaries of the Golden-Cheeked Warbler, an endangered species. The Austin Water Utility's approval of your plan and the issuance of a Permit to Construct a private sewage facility do not assure compliance with the Endangered Species Act. For information, please call Travis County Transportation and Natural Resources Department, (512) 854-9383.
4. This Permit to Construct does not authorize the use of the single-family residence as a short-term rental property. Utilizing the single-family residence as a short-term rental property constitutes an alteration of the OSSF permit (30 TAC §285.2(C) & COA §15-5-3), which would require a new permit under 30 TAC §285.3(a) & COA §15-5-3.
5. The Austin Water Utility does not allow an automatic lawn sprinkler system to be installed over any portion of the proposed drainfield.

Mr. Derrick Lormand, R.S.
August 13, 2014
Page 2 of 2

Our approval of this plan is based upon the data and information submitted with it. The Austin Water Utility reserves the right to revoke this approval if conditions are encountered during construction, which are not reflected by the plan and may affect the proper operation of the proposed system.

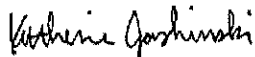
The issuance of this Approval Letter is not a verification that this tract of land has been subdivided in accordance with the laws and regulations governing subdivision of land. It is also not, therefore, a guarantee of future provision of other utility services to this tract of land.

The Permit to Construct for this project is enclosed with this letter, and must be posted on the job site before any work is done. The Austin Water Utility expects you to make the contractor of this project aware of all of the above approval stipulations prior to the start of construction. **The Permit to Construct shall expire one year from the issued date. Do not start the OSSF construction before obtaining building permit approval. The Austin Water Utility shall not perform any inspection if building permit approval has not been obtained at that time.**

Regular inspections of these facilities by the Austin Water Utility's personnel during construction in accordance with the inspection schedule enclosed with this letter are required. In addition, the Austin Water Utility must receive a written certification from you, upon completion of this project, that this system was installed in accordance with this plan. This certification must be based upon your independent inspections of this system during construction. The Austin Water Utility also must receive a copy of the as-built plan, which has the same format as the approved plan for permit to construct, upon completion of this project. The final inspection will not be performed until we receive your certification, the as-built plan, and the completion of all inspections listed on the enclosed inspection schedule. The License to Operate will be issued after the passing of the final inspection.

I will look forward to receiving your letter of certification upon completion of this project. If I can provide any additional information, please contact me at 972-0296 or Ms. Reyna Holmes, P.E. at 972-0202.

Sincerely,



Katherine Jashinski, P.E., OS0029912
Utility Development Services Division
Austin Water Utility

Attachment: Approved plans.



AUSTIN WATER
Utility Development Services Division
625 East 10th Street, Suite 715
Austin, Texas 78701
(512) 972-0050 fax: (512) 972-0251



OSSF INSPECTION SCHEDULE FOR LEACHING CHAMBER SYSTEMS

The minimum number of inspections required by the Licensing Authority for approval of the installation of private sewage facilities in the City of Austin is listed below. To arrange for an inspection, please call the Austin Water Utility, Utility Development Services Division, On-Site Sewage Facilities Program, at (512) 972-0050, **NO LATER THAN TWO DAYS PRIOR TO WHEN THE INSPECTION IS NEEDED.**

1. OPEN TRENCH / BED AND PANEL INSPECTION

- a) Septic tank(s) leveled on a minimum four inch sand, sandy loam, or pea gravel pad and filled with water to outlet for water test.
- b) Adequate gravity flow from building to tank(s) and from tank(s) to absorption beds/trenches.
- c) Trench/Bed bottoms are cleaned out and level.
- d) Dimensions sizing, and depth of trenches/beds as stated on the permit to construct or planning material.
- e) Panels in place, connected properly, and level. All piping installed properly.
- f) Adverse geology and hydrology (excessive impervious rock, fractures and fissures, seepage, springs, etc.).

NOTE: If system is to be pressure dosed see schedule for low pressure dosed systems.

2. PUMP TANK, PUMP, AND ALARM INSPECTION (IF REQUIRED)

WILL BE PERFORMED IN CONJUNCTION WITH OTHER INSPECTIONS

- a) Pump tank(s) leveled on a minimum four-inch sand, sandy loam, pea gravel pad and filled with water to outlet for water test.
- b) Sewer line installed properly.
- c) Pump tank filled with water to activate high water alarm. Alarm and pump function correctly and automatically.
- d) Pump and high water alarm on separate circuits.
- e) Installation of check valve and siphon hole (if needed).

3. LANDSCAPING INSPECTION

- a) Trenches/beds are filled with sandy loam.
- b) Trenches/beds area graded so that rainwater will drain away.
- c) If storm water diversion is required then it must be constructed and vegetative cover established.
- d) Vegetative cover must be established over drainfield area in accordance with the approved planning material.

NOTE:

- Any deviation from the approved planning material will be cause for the inspector to stop construction of the system until approval of the deviation has been obtained.
- Austin Water Utility inspections are not a substitute for the Designer's inspection and vice versa. Contact Designer before beginning construction of the system.
- This is not an exhaustive list of all items that will be checked.



AUSTIN WATER UTILITY
Utility Development Services Division
625 East 10th Street
Austin, Texas 78701
(512) 972-0050 fax: (512) 972-0251



PERMIT TO CONSTRUCT AN ON-SITE SEWAGE FACILITY

ISSUED DATE: August 13, 2014

UNIQUE #: 23826842

SITE ADDRESS: 3120 Edgewater Drive, Austin, Texas 78733

LEGAL DESCRIPTION: Lot 2 of CE Bar Ranch, Lakeview Acres

OWNER'S NAME: Andrew and Emily Shulz

LAKE PROPERTY (YES/NO): YES

WATER SOURCE: Lake Austin

TYPE OF STRUCTURE: Single Family Residence

SIZE: 5 bedrooms / 4,130 sq. ft. / 360 gpd

FACILITY SPECIFICATIONS

1. One 1,750-gallon triple-compartment Buchanan Septic Tanks, Inc. pre-cast concrete septic tank with a Zabel filter model A1800-4X18-VTF-B40 or equivalent.
2. One ½ HP Liberty pump model 281 with controls.
3. One serial distribution leaching chamber field with a total of 1,360 square feet of absorption area (total 68 Infiltrator, Inc. Quick4 Standard panels).

APPROVED VARIANCES (YES/NO): NO

INITIAL TWO-YEAR SERVICE POLICY REQUIRED (YES/NO): NO

DESIGNER: Derrick Lormand, R.S.

AUTHORIZATION IS HEREBY GIVEN TO CONSTRUCT AN ON-SITE SEWAGE FACILITY ON THE ABOVE DESCRIBED PROPERTY IN ACCORDANCE WITH THE ATTACHED DESIGNED PLAN WHICH IS APPROVED BY THE AUSTIN WATER UTILITY ON THIS DATE WITH THE SPECIFICATIONS DESCRIBED ABOVE.

THIS PERMIT MUST BE POSTED ON THE SITE

SPECIAL REQUIREMENTS

1. Construct per designer's plan and the Austin Water Utility's approval letter. If construction cannot proceed exactly as specified by approved plan and the Austin Water Utility's approval letter, stop construction and have the designer submit a revised plan to the Austin Water Utility for review and approval.
2. This property may be located within the habitat boundaries of an endangered species. Issuance of this permit to construct an on-site sewage facility does not assure compliance with the Endangered Species Act. For information, please call the Travis County Transportation and Natural Resources Department, (512) 854-9383.
3. The issuance of this Permit is not a verification that this tract of land has been subdivided in accordance with the laws and regulations governing subdivision of land. It is also not, therefore, a guarantee of future provision of other utility services to this tract of land.
4. Landscaping and vegetation of drainfield must be complete before a license to operate will be issued.
5. ALL INSTALLATION WORK IN THE STATE OF TEXAS MUST BE PERFORMED BY AN INSTALLER LICENSED WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.

NOTE: This on-site sewage facility must meet all of the requirements of the City of Austin Ordinance No. 20131003-097, including setback distances. If unforeseen and/or adverse conditions are encountered (including but not limited to excessive rock, seepage, or high water table), stop construction and contact the Austin Water Utility. A revised construction permit may be issued. **THIS PERMIT TO CONSTRUCT SHALL EXPIRE ONE YEAR FROM THE ISSUED DATE. DO NOT START THE OSSF CONSTRUCTION BEFORE OBTAINING BUILDING PERMIT APPROVAL. THE AUSTIN WATER UTILITY SHALL NOT PERFORM ANY INSPECTION IF BUILDING PERMIT APPROVAL HAS NOT BEEN OBTAINED AT THAT TIME.**

APPROVED: _____

Katherine Goshinski, P.E., OS0029912

DATE: _____

08/13/2014